

ABSTRACT OF THE DISCLOSURE

- [47] The windshield heating air appliances are designed to keep heated air in an isolated area referred as controlled heating air space that is formed by a windshield heating air appliance, windshield and either dashboard or dashboard air vent cover. The controlled heating air space consumes less than 2% of the automobile passenger compartment; thus air in the controlled heating air space can be quickly heated up, and the windshield surface can be maintained at an optimal temperature to prevent fogging of the windshield and reduce the time melting ice accumulated on the windshield.
- [48] An additional insulation layer, formed by an automobile front side window cover and air inside front side window cover, significantly reduces fogging of the automobile side window cover in a wet or cold climate.